



SHEET 1 OF 5

FORM PTO - 1449

ATTORNEY DOCKET NO.: ZCO-101

INFORMATION DISCLOSURE STATEMENT

APPLICANT(S): Russell et al.

SERIAL NO.: 10/817,159

FILING DATE: April 2, 2004

GROUP: Not yet assigned

U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
VE	A1	US 2001 0050031	12/13/01	Bredt et al.	X	X	X
	A2	US 2002 0079601	06/27/02	Russell et al.			
	A3	US 2004 0056378	03/25/04	Bredt et al.			
	A4	4,247,508	01/27/81	Housholder			
	A5	4,575,330	03/11/86	Hull			
	A6	4,752,352	06/21/88	Feygin			
	A7	4,863,538	09/05/89	Deckard			
	A8	4,929,402	05/29/90	Hull			
	A9	4,938,816	07/03/90	Beaman et al.			
	A10	4,944,817	07/31/90	Bourell et al.			
	A11	4,996,010	02/26/91	Modrek			
	A12	5,017,753	05/21/91	Deckard			
	A13	5,053,090	10/01/91	Beaman et al.			
	A14	5,076,869	12/31/91	Bourell et al.			
	A15	5,132,143	07/21/92	Deckard			
	A16	5,134,569	07/28/92	Masters			
	A17	5,137,662	08/11/92	Hull et al.			
	A18	5,147,587	09/15/92	Marcus et al.			
	A19	5,155,324	10/13/92	Deckard et al.			
	A20	5,174,943	12/29/92	Hull			
	A21	5,184,307	02/02/93	Hull et al.	✓	✓	✓
VE	A22	5,204,055	04/20/93	Sachs et al.	X	X	X

EXAMINER *Verde*

DATE CONSIDERED 10/12/06

FORM PTO - 1449 INFORMATION DISCLOSURE STATEMENT	ATTORNEY DOCKET NO.: ZCO-101 APPLICANT(S): Russell et al. SERIAL NO.: 10/817,159 FILING DATE: April 2, 2004 GROUP: Not yet assigned
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U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
VE	A23	5,238,614	08/24/93	Uchinono et al.	X	X	X
	A24	5,252,264	10/12/93	Forderhase et al.			
	A25	5,260,099	11/09/93	Penn			
	A26	5,263,130	11/16/93	Pomerantz et al.			
	A27	5,273,691	12/28/93	Hull et al.			
	A28	5,296,062	03/22/94	Bourell et al.			
	A29	5,301,863	04/12/94	Prinz et al.			
	A30	5,316,580	05/31/94	Deckard			
	A31	5,340,656	08/23/94	Sachs et al.			
	A32	5,342,919	08/30/94	Dickens et al.			
	A33	5,344,298	09/06/94	Hull			
	A34	5,345,391	09/06/94	Hull et al.			
	A35	5,352,405	10/04/94	Beaman et al.			
	A36	5,382,308	01/17/95	Bourell et al.			
	A37	5,387,380	02/07/95	Cima et al.			
	A38	5,393,613	02/28/95	Mackay			
	A39	5,430,666	07/04/95	DeAngelis et al.			
	A40	5,433,280	07/18/95	Smith			
	A41	5,460,758	10/24/95	Langer et al.			
VE	A42	5,490,882	02/13/96	Sachs et al.	X	X	X
EXAMINER <i>epel</i>				DATE CONSIDERED 10/12/06			

FORM PTO - 1449 INFORMATION DISCLOSURE STATEMENT				ATTORNEY DOCKET NO.: ZCO-101 APPLICANT(S): Russell et al. SERIAL NO.: 10/817,159 FILING DATE: April 2, 2004 GROUP: Not yet assigned			
U.S. PATENT DOCUMENTS							
EXAM. INIT.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
NE	A43	5,490,962	Cima et al.	X	X	X	
	A44	5,501,824	Almquist et al.				
	A45	5,518,680	Cima et al.				
	A46	5,527,877	Dickens et al.				
	A47	5,554,336	Hull				
	A48	5,555,481	Rock et al.				
	A49	5,556,590	Hull				
	A50	5,569,431	Hull				
	A51	5,571,471	Hull				
	A52	5,573,722	Hull				
	A53	5,597,589	Deckard				
	A54	5,616,294	Deckard				
	A55	5,622,577	O'Connor				
	A56	5,630,981	Hull				
	A57	5,637,175	Feygin et al.				
	A58	5,639,070	Deckard				
	A59	5,640,667	Freitag, et al.				
	A60	5,648,450	Dickens, Jr. et al.				
	A61	5,653,925	Batchelder				
↓	A62	5,733,497	McAlea et al.	↓	↓	↓	
NE	A63	5,738,817	Danforth et al.	X	X	X	
EXAMINER <i>Upel</i>				DATE CONSIDERED 10/12/06			

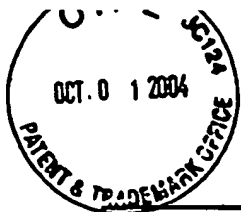
FORM PTO - 1449 INFORMATION DISCLOSURE STATEMENT	ATTORNEY DOCKET NO.: ZCO-101 APPLICANT(S): Russell et al. SERIAL NO.: 10/817,159 FILING DATE: April 2, 2004 GROUP: Not yet assigned
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U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
VE	A64	5,749,041	05/05/98	Lakshminarayan et al.	X	X	X
	A65	5,753,171	05/19/98	Serbin et al.			
	A66	5,753,274	05/19/98	Wilkening et al.			
	A67	5,776,409	07/07/98	Almquist et al.			
	A68	5,902,441	05/11/99	Bredt et al.			
	A69	5,976,339	11/02/99	Andre et al.			
	A70	6,007,318	12/28/99	Russell et al.			
	A71	6,084,980	02/22/00	Almquist et al.			
	A72	6,112,109	08/29/00	D'Urso			
	A73	6,241,337	06/05/01	Sharma et al.			
	A74	6,280,014	08/28/01	Sharma et al.			
	A75	6,286,929	09/11/01	Sharma et al.			
	A76	6,290,323	09/18/01	Sharma et al.			
	A77	6,312,090	11/06/01	Griffin et al.			
	A78	6,347,858	02/19/02	Faisst, Jr. et al.			
	A79	6,350,007	02/26/02	Meichle et al.			
	A80	6,375,874	04/23/02	Russell et al.			
↓	A81	6,416,850	07/09/02	Bredt et al.	↓	↓	↓
VE	A82	6,550,891	04/22/03	Berg	X	X	X
EXAMINER <i>[Signature]</i>				DATE CONSIDERED 10/12/06			

FORM PTO - 1449 INFORMATION DISCLOSURE STATEMENT					ATTORNEY DOCKET NO.: ZCO-101 APPLICANT(S): Russell et al. SERIAL NO.: 10/817,159 FILING DATE: April 2, 2004 GROUP: Not yet assigned				
FOREIGN PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
VE	B1	0 431 924	06/12/91	EP	X	X	X	X	X
↓	B2	93/25336	12/23/93	PCT	↓	↓	↓	↓	↓
↓	B3	95/30503	11/16/95	PCT	↓	↓	↓	↓	↓
↓	B4	97/11835	04/03/97	PCT	↓	↓	↓	↓	↓
↓	B5	98/09798	03/12/98	PCT	↓	↓	↓	↓	↓
VE	B6	98/28124	07/02/98	PCT	X	X	X	X	X
OTHER ART, JOURNAL ARTICLES, ETC.									
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
EXAMINER					DATE CONSIDERED 10/12/06				

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ATTORNEY DOCKET NO.: ZCO-101

SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT

APPLICANTS: Russell et al.

SERIAL NO.: 10/817,159

FILING DATE: April 2, 2004 GROUP: 1732

U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
ME	A83	5,837,960	11/17/98	Lewis et al.			
ME	A84	5,876,550	3/2/99	Feygin et al.			

FOREIGN PATENT DOCUMENTS

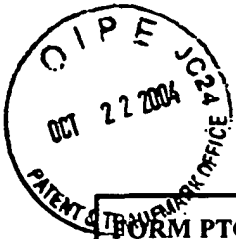
EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)

OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
EXAMINER	/Maria Ewald/				DATE CONSIDERED				

10/12/2006

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FORM PTO - 1449				ATTORNEY DOCKET NO.: ZCO-101					
SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				APPLICANTS: Russell et al.					
				SERIAL NO.: 10/817,159					
				FILING DATE: April 2, 2004 GROUP: 1732					
U.S. PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE		
ME	A85	5,204,055	4/20/93	Sachs et al.					
ME	A86	5,340,656	8/23/94	Sachs et al.					
ME	A87	5,387,380	2/7/95	Cima et al.					
FOREIGN PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
OTHER ART, JOURNAL ARTICLES, ETC.									
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
EXAMINER /Maria Ewald/				DATE CONSIDERED 10/12/2006					

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FORM PTO - 1449

THIRD SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: ZCO-101

APPLICANT(S): Russell *et al.*

SERIAL NO.: 10/817,159

FILING DATE: April 2, 2004

GROUP: 1732

U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

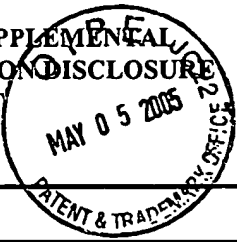
EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG.(Y/N)

OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)						
ME	C1	Evaluation of the Advanced Ceramics Market for New Applications of Three Dimensional Printing, M.S. Thesis, MIT 1995					
EXAMINER				/Maria Ewald/			
				DATE CONSIDERED			
				10/12/2006			

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FORM PTO - 1449 FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		ATTORNEY DOCKET NO.: ZCO-101 APPLICANTS: Russell <i>et al.</i> SERIAL NO.: 10/817,159 FILING DATE: April 2, 2004 GROUP: 1732					
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U.S. PATENT DOCUMENTS							
EXAM. INIT.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
ME	A88	2003/0081047	5/1/03	Yearout			
ME	A89	2002/0075349	6/20/02	Sawicki			
ME	A90	2001/0000434	4/26/01	Medin			
ME	A91	5,876,550	3/2/99	Feygin et al.			
ME	A92	5,837,960	11/17/98	Lewis et al.			

FOREIGN PATENT DOCUMENTS									
EXAM. INIT.	DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)	
ME	B7	1 310 369	5/14/03	EP					Y
ME	B8	1 164 020	12/19/01	EP					Y
ME	B9	1 074 389	2/7/01	EP					Y

OTHER ART, JOURNAL ARTICLES, ETC.		
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)	
ME	C2	International Search Report for International Patent Application No. PCT/US2004/01085, dated February 4, 2004, 7 pages.

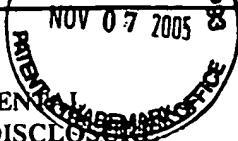
EXAMINER	/Maria Ewald/	DATE CONSIDERED	10/12/2006
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FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				ATTORNEY DOCKET NO.: ZCO-101 APPLICANTS: Russell et al. SERIAL NO.: 10/817,159 FILING DATE: April 2, 2004 GROUP: 1732					
U.S. PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE		
ME		6,375,847	4/23/02	Hartmann					
ME		2003/0004599	1/2/03	Herbak					
EXAMINER					DATE CONSIDERED				
FOREIGN PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
ME	B10	WO 91/12120	08/22/91	PCT				N	Y
OTHER ART, JOURNAL ARTICLES, ETC.									
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
EXAMINER					DATE CONSIDERED				

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FORM PTO - 1449				ATTORNEY DOCKET NO.: ZCO-101					
SIXTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				APPLICANTS: Russell <i>et al.</i>					
				SERIAL NO.: 10/817,159					
				FILING DATE: April 2, 2004 GROUP: 1732					
U.S. PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE		
ME		2004/0262803	12/30/04	Neilsen et al.					
		2004/0251574	12/16/04	Collins et al.					
		2004/0239009	12/2/04	Collins et al.					
		2004/0232583	11/25/04	Monsheimer et al.					
		2004/0224173	11/11/04	Boyd et al.					
		2004/0207123	10/21/04	Patel et al.					
		2004/0182510	9/23/04	Pfeifer et al.					
		2005/0072113	4/7/05	Collins et al.					
		2005/0017394	1/27/05	Hochsmann et al.					
		6,401,001	6/4/02	Jang et al.					
		6,838,035	1/4/05	Ederer et al.					
		6,898,477	5/24/05	Loughran					
ME		6,932,935	8/23/05	Oberhofer et al.					
FOREIGN PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
OTHER ART, JOURNAL ARTICLES, ETC.									
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
EXAMINER /Maria Ewald/					DATE CONSIDERED 10/12/2006				

FORM PTO - 1449

SEVENTH SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT

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ATTORNEY DOCKET NO.: ZCO-101

APPLICANTS: Russell *et al.*

SERIAL NO.: 10/817,159

FILING DATE: April 2, 2004 GROUP: 1732

U.S. PATENT DOCUMENTS

EXAM. INIT.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
ME	4,853,717	8/1/89	Harmon et al.			
	4,872,026	10/3/89	Rasmussen et al.			
	5,027,134	6/25/91	Harmon et al.			
	5,103,244	4/7/92	Gast et al.			
	5,115,250	5/19/92	Harmon et al.			
	5,216,449	6/1/93	English			
	5,146,243	9/8/92	English et al.			
	5,448,270	9/5/95	Osborne			
	5,587,729	12/24/96	Lee et al.			
	5,450,105	9/12/95	Dangelo			
	5,534,896	7/9/96	Osborne			
	5,559,538	9/24/96	Nguyen et al.			
	5,682,186	10/28/97	Bohorquez et al.			
	5,712,668	1/27/98	Osborne et al.			
	5,745,133	4/28/98	Hendricks et al.			
	5,757,395	5/26/98	Chew et al.			
	5,812,157	9/22/98	Nguyen et al.			
	5,867,184	2/2/99	Quintana			
	5,917,516	6/29/99	Nguyen et al.			
	5,956,053	9/21/99	Michael			
	6,000,779	12/14/99	Ng et al.			
	6,027,209	2/22/00	Menendez et al.			
	6,116,719	9/12/00	Maza			
	6,135,585	10/24/00	Johnson et al.			
	6,193,353	2/27/01	Vives et al.			
ME	6,199,973	3/13/01	Bartolome et al.			

EXAMINER

/Maria Ewald/

DATE CONSIDERED

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FORM PTO - 1449 SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTORNEY DOCKET NO.: ZCO-101 APPLICANTS: Russell <i>et al.</i> SERIAL NO.: 10/817,159 FILING DATE: April 2, 2004 GROUP: 1732
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U.S. PATENT DOCUMENTS

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ME	6,220,689	4/24/01	Sturgeon			
	6,250,736	6/26/01	Wojcik			
	6,270,183	8/7/01	Gaarder			
	6,309,044	10/30/01	Gaarder			
	6,386,678	5/14/02	Michael et al.			
	6,390,593	5/21/02	DeRoos et al.			
	6,402,288	6/11/02	Rhodes et al.			
	6,533,388	3/18/03	Toh et al.			
	6,540,323	4/1/03	Dowell et al.			
	6,609,779	8/26/03	Davis et al.			
	6,623,098	9/23/03	Davis			
	6,918,648	7/19/05	Tee et al.			
	2001/0000434	4/26/01	Medin			
	2001/0010526	8/2/01	Barinaga			
	2002/0186271	12/12/02	Yamada et al.			
	2003/0081047	5/1/03	Yearout			
	2004/0196333	10/7/04	Yoshiyama et al.			
	2005/0179722	8/18/05	Silverbrook			
ME	2005/0179733	8/18/05	Silverbrook			

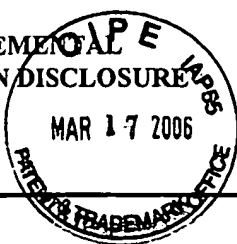
FOREIGN PATENT DOCUMENTS

EXAM. INIT.	DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)

OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)	
EXAMINER	/Maria Ewald/	DATE CONSIDERED 10/12/2006

FORM PTO - 1449		ATTORNEY DOCKET NO.: ZCO-101							
EIGHTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		APPLICANTS: Russell <i>et al.</i>							
		SERIAL NO.: 10/817,159							
		FILING DATE: April 2, 2004 GROUP: 1732							
U.S. PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE		
ME		5,640,183	6/17/97	Hackleman					
FOREIGN PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
ME	B11	0 694 396	1/31/96	EP				N	Y
ME	B12	WO 95/34468	12/21/95	PCT				N	Y
OTHER ART, JOURNAL ARTICLES, ETC.									
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
EXAMINER					/Maria Ewald		DATE CONSIDERED		
							10/12/2006		

FORM PTO - 1449 NINTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				ATTORNEY DOCKET NO.: ZCO-101 APPLICANTS: Russell <i>et al.</i> SERIAL NO.: 10/817,159 FILING DATE: April 2, 2004 GROUP: 1732					
 U.S. PATENT DOCUMENTS									
EXAM INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE		
ME		5,387,380	2/7/95	Cima et al.	<div style="font-size: 4em; transform: rotate(45deg); display: inline-block;">X</div>				
		6,193,353	2/27/01	Vives et al.					
		6,658,314	12/2/03	Gothait					
		2004/0164436	8/26/04	Khoshnevis					
ME		2005/0189442	9/1/05	Hussanini et al.					
FOREIGN PATENT DOCUMENTS									
EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
ME	B13	WO 00/68016	1/31/96	PCT				N	Y
OTHER ART, JOURNAL ARTICLES, ETC.									
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
EXAMINER /Maria Ewald/					DATE CONSIDERED 10/12/2006				